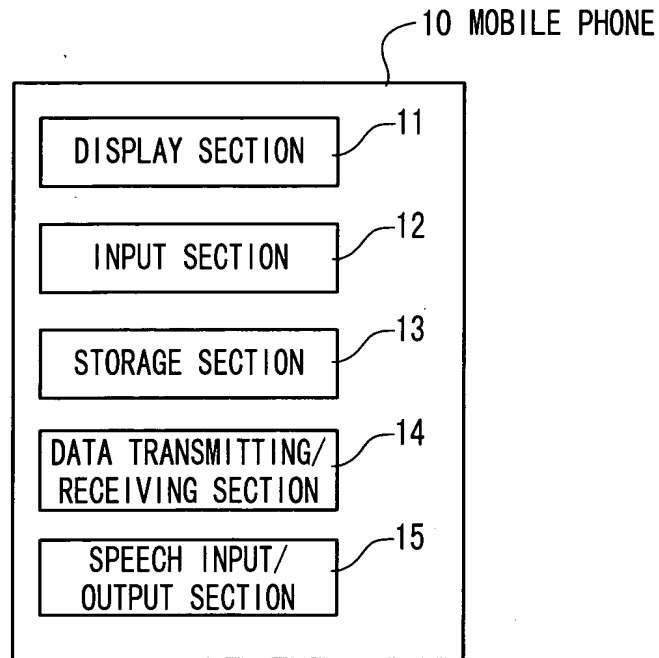


F i g . 1



F i g . 2

20 TELEPHONE DIRECTORY DATA

NAME	PHONETIC NOTATION	TELEPHONE NO.	MAIL ADDRESS	GROUP
TAROU (HOME)	TAROU	045-xxx-1234	taro@zzz.co.jp	G1
TAROU (MOBILE)	TAROU	090-xxx-1234	taro@zzz.ne.jp	G1
HANAKO	HANAKO	090-yyy-1234		G1
A COMPANY	A COMPANY	03-ppp-1111	a@ppp.co.jp	G2
B COMPANY	B COMPANY	045-qqq-2222	b@qqq.co.jp	G2
...				
...				

The diagram illustrates a mobile phone network architecture. A mobile phone (10) is shown on the left, connected to a mobile phone network (30) via a lightning bolt symbol. The network (30) contains a telephone directory server (30) and a replica telephone directory data (40). A separate telephone directory data (20) is also shown, connected to the mobile phone (10) by a line. The replica telephone directory data (40) is a table with 5 rows and 3 columns. The telephone directory data (20) is a table with 5 rows and 3 columns. The telephone directory server (30) is a cylinder labeled 'TELEPHONE DIRECTORY SERVER'.

MOBILE PHONE

20

TELEPHONE DIRECTORY DATA

30

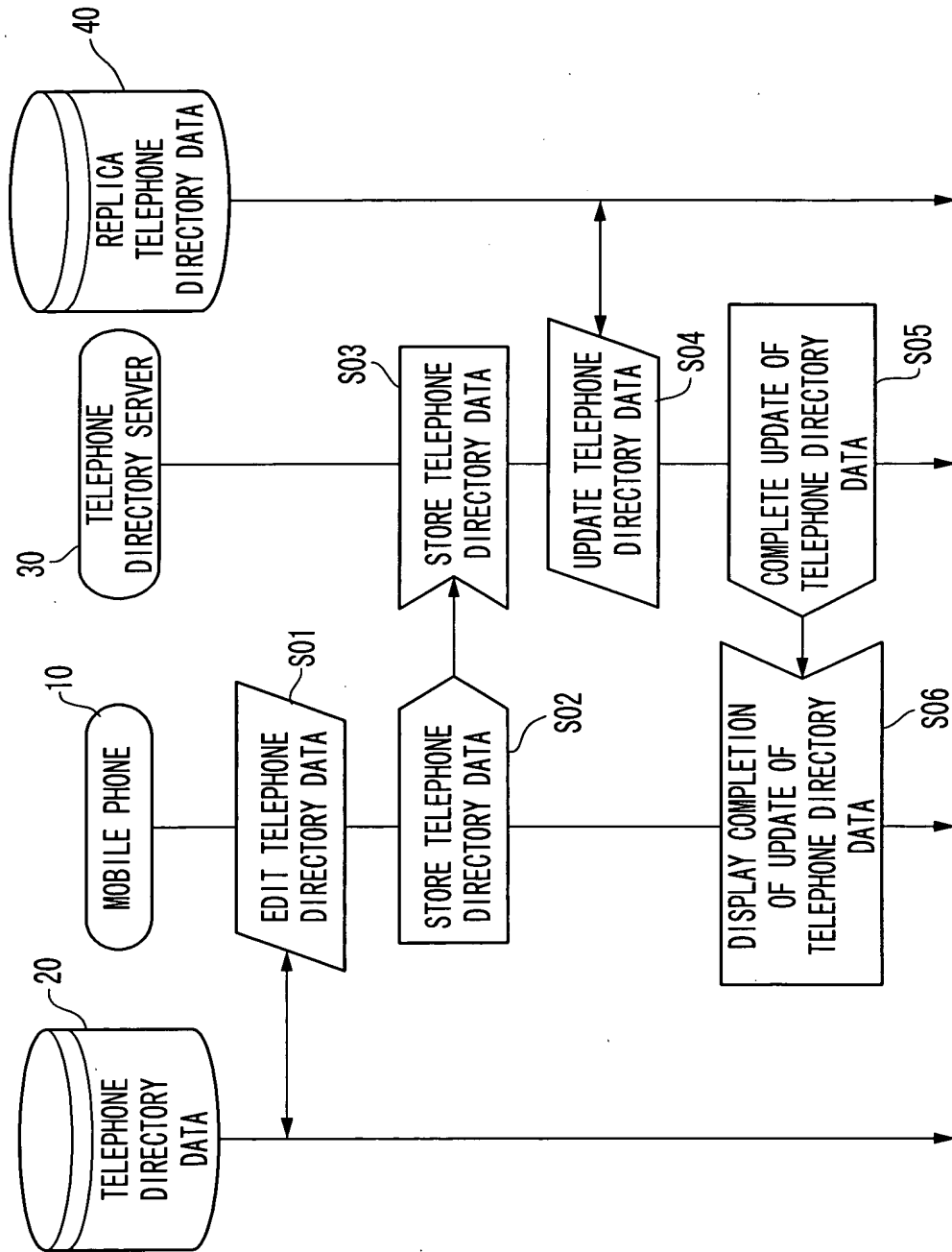
TELEPHONE DIRECTORY SERVER

40

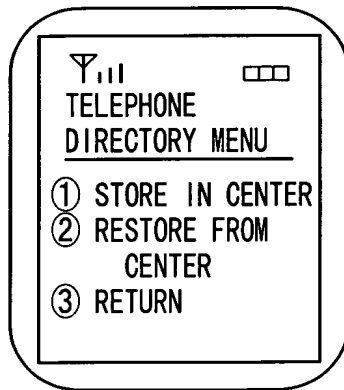
REPLICA TELEPHONE DIRECTORY DATA

MOBILE PHONE NETWORK

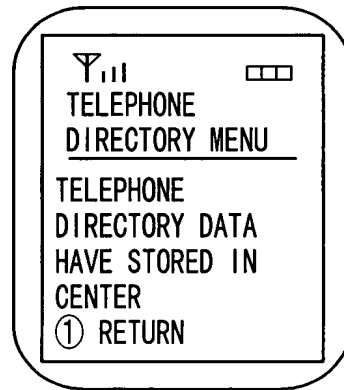
Fig. 4



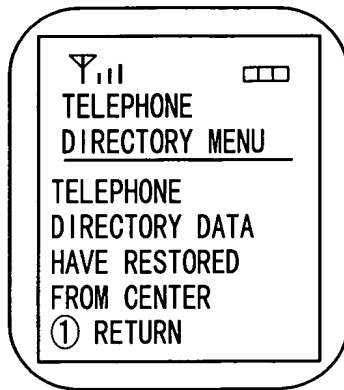
F i g . 5 A



F i g . 5 B



F i g . 5 C



104030 6422000

Fig. 6

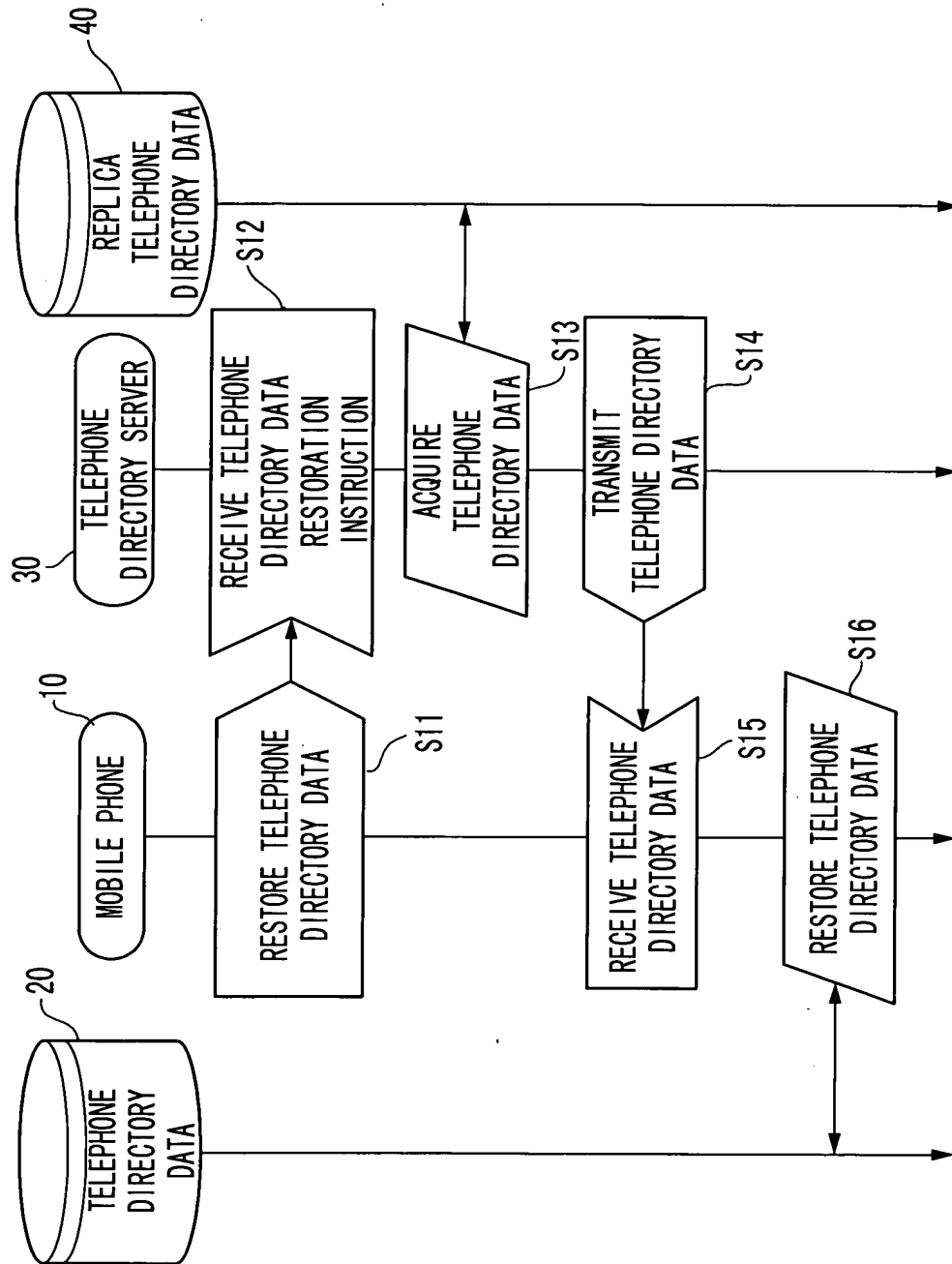


Fig. 7

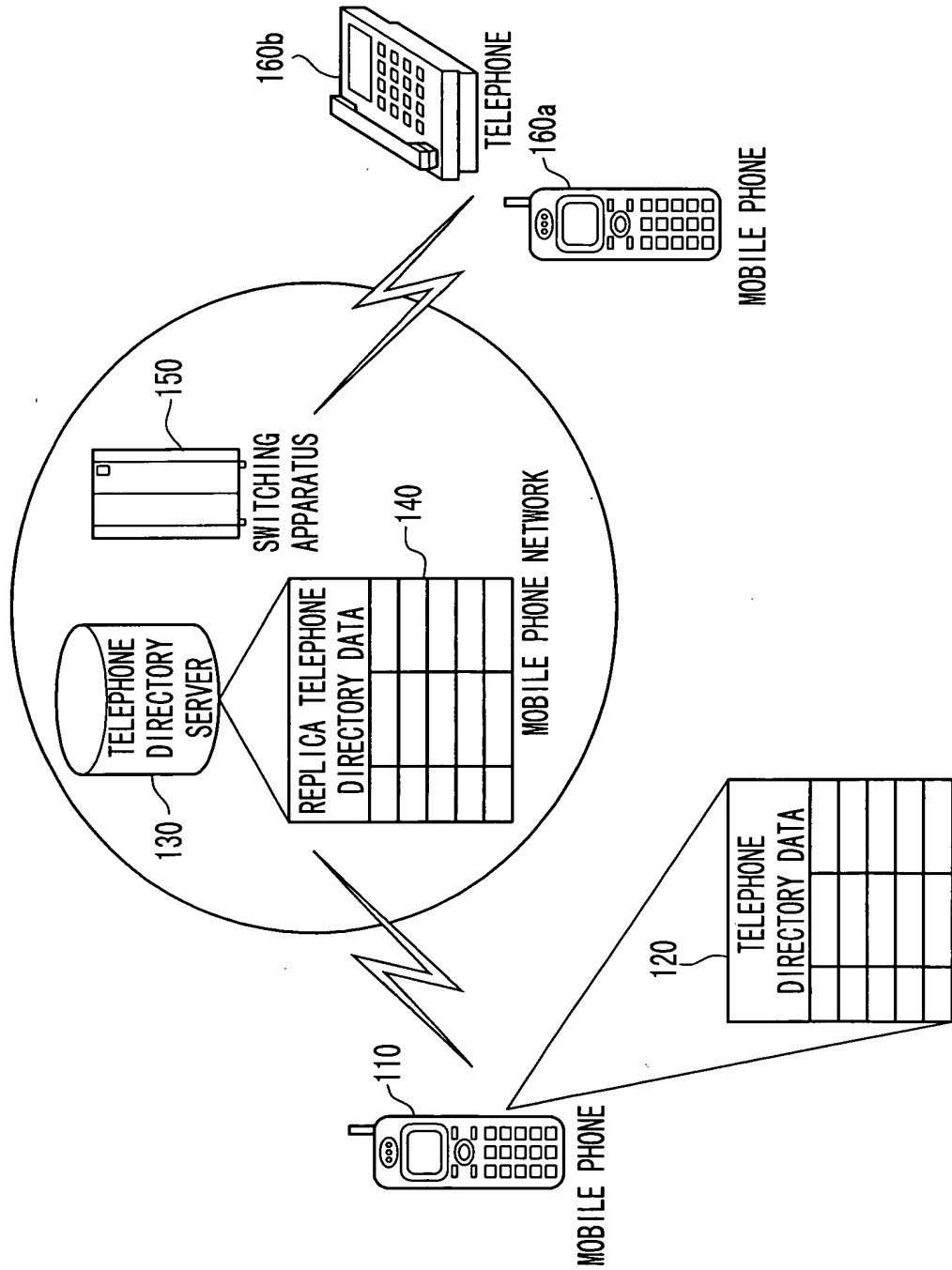
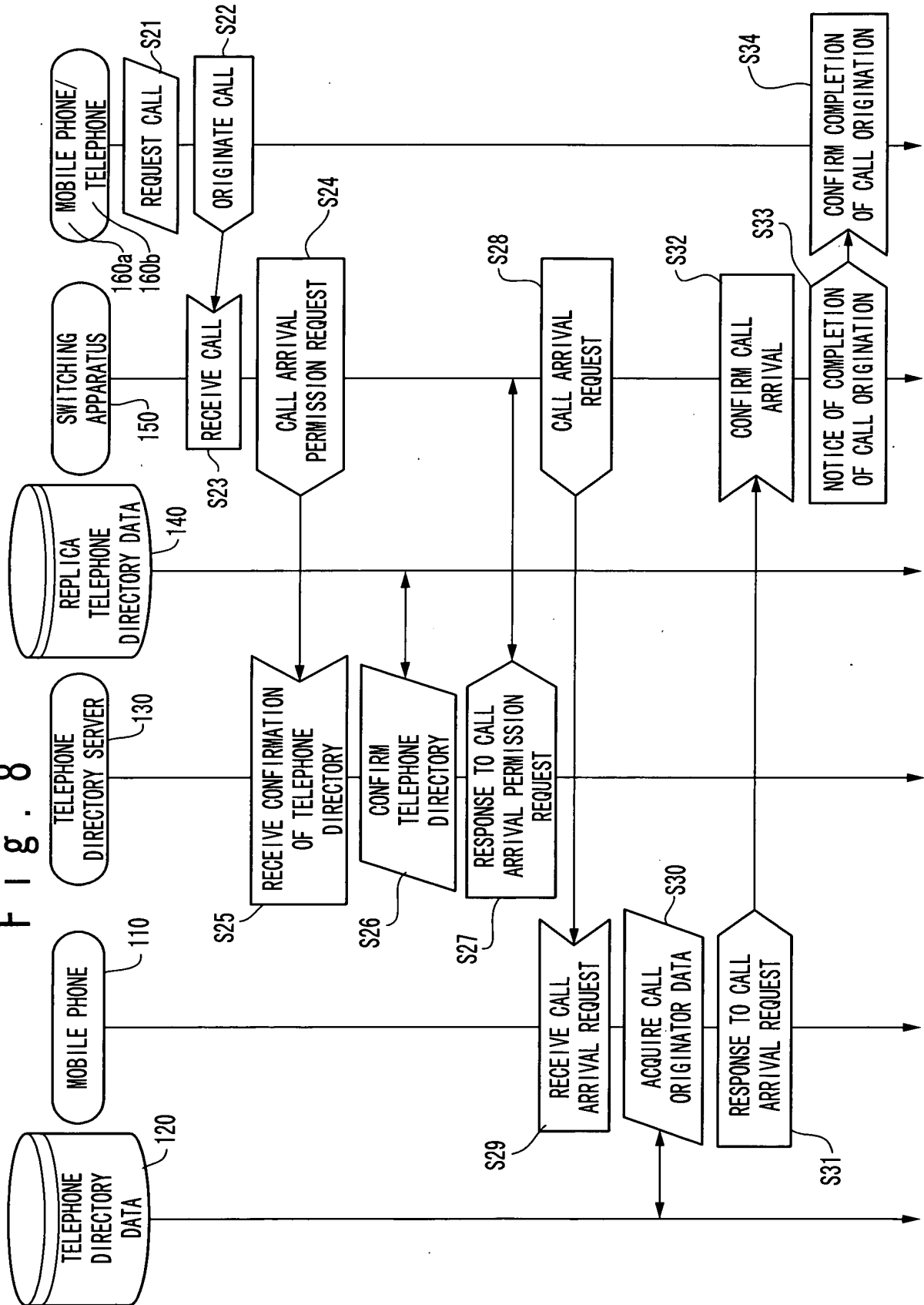


Fig. 8



Latitude	Longitude	Time	Altitude	Direction	Remarks
41° 15' N	121° 15' E	10:00	1000	SE	Clear
41° 15' N	121° 15' E	10:15	1000	SE	Clear
41° 15' N	121° 15' E	10:30	1000	SE	Clear
41° 15' N	121° 15' E	10:45	1000	SE	Clear
41° 15' N	121° 15' E	11:00	1000	SE	Clear
41° 15' N	121° 15' E	11:15	1000	SE	Clear
41° 15' N	121° 15' E	11:30	1000	SE	Clear
41° 15' N	121° 15' E	11:45	1000	SE	Clear
41° 15' N	121° 15' E	12:00	1000	SE	Clear
41° 15' N	121° 15' E	12:15	1000	SE	Clear
41° 15' N	121° 15' E	12:30	1000	SE	Clear
41° 15' N	121° 15' E	12:45	1000	SE	Clear
41° 15' N	121° 15' E	13:00	1000	SE	Clear
41° 15' N	121° 15' E	13:15	1000	SE	Clear
41° 15' N	121° 15' E	13:30	1000	SE	Clear
41° 15' N	121° 15' E	13:45	1000	SE	Clear
41° 15' N	121° 15' E	14:00	1000	SE	Clear
41° 15' N	121° 15' E	14:15	1000	SE	Clear
41° 15' N	121° 15' E	14:30	1000	SE	Clear
41° 15' N	121° 15' E	14:45	1000	SE	Clear
41° 15' N	121° 15' E	15:00	1000	SE	Clear
41° 15' N	121° 15' E	15:15	1000	SE	Clear
41° 15' N	121° 15' E	15:30	1000	SE	Clear
41° 15' N	121° 15' E	15:45	1000	SE	Clear
41° 15' N	121° 15' E	16:00	1000	SE	Clear
41° 15' N	121° 15' E	16:15	1000	SE	Clear
41° 15' N	121° 15' E	16:30	1000	SE	Clear
41° 15' N	121° 15' E	16:45	1000	SE	Clear
41° 15' N	121° 15' E	17:00	1000	SE	Clear
41° 15' N	121° 15' E	17:15	1000	SE	Clear
41° 15' N	121° 15' E	17:30	1000	SE	Clear
41° 15' N	121° 15' E	17:45	1000	SE	Clear
41° 15' N	121° 15' E	18:00	1000	SE	Clear
41° 15' N	121° 15' E	18:15	1000	SE	Clear
41° 15' N	121° 15' E	18:30	1000	SE	Clear
41° 15' N	121° 15' E	18:45	1000	SE	Clear
41° 15' N	121° 15' E	19:00	1000	SE	Clear
41° 15' N	121° 15' E	19:15	1000	SE	Clear
41° 15' N	121° 15' E	19:30	1000	SE	Clear
41° 15' N	121° 15' E	19:45	1000	SE	Clear
41° 15' N	121° 15' E	20:00	1000	SE	Clear
41° 15' N	121° 15' E	20:15	1000	SE	Clear
41° 15' N	121° 15' E	20:30	1000	SE	Clear
41° 15' N	121° 15' E	20:45	1000	SE	Clear
41° 15' N	121° 15' E	21:00	1000	SE	Clear
41° 15' N	121° 15' E	21:15	1000	SE	Clear
41° 15' N	121° 15' E	21:30	1000	SE	Clear
41° 15' N	121° 15' E	21:45	1000	SE	Clear
41° 15' N	121° 15' E	22:00	1000	SE	Clear
41° 15' N	121° 15' E	22:15	1000	SE	Clear
41° 15' N	121° 15' E	22:30	1000	SE	Clear
41° 15' N	121° 15' E	22:45	1000	SE	Clear
41° 15' N	121° 15' E	23:00	1000	SE	Clear
41° 15' N	121° 15' E	23:15	1000	SE	Clear
41° 15' N	121° 15' E	23:30	1000	SE	Clear
41° 15' N	121° 15' E	23:45	1000	SE	Clear
41° 15' N	121° 15' E	00:00	1000		

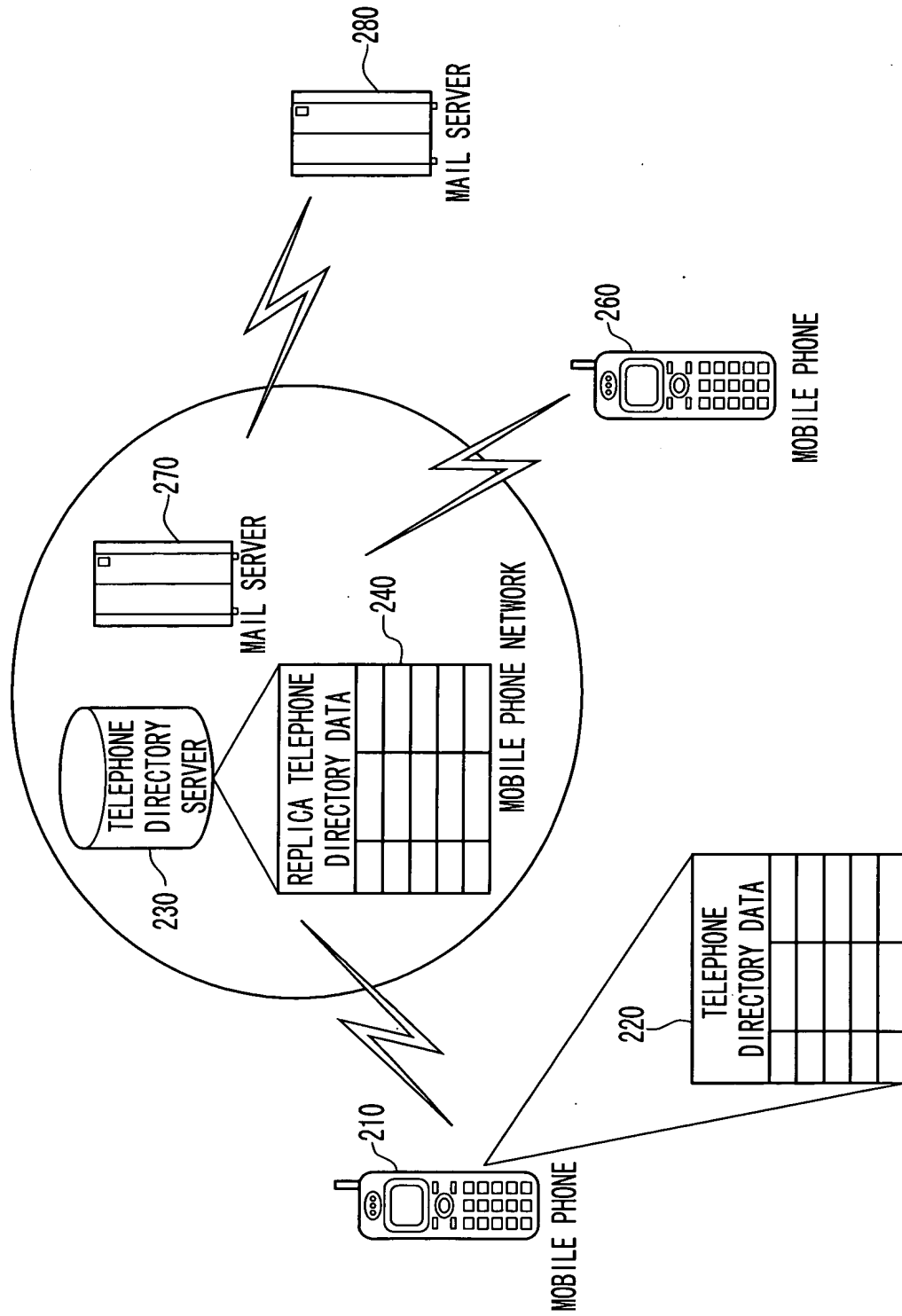




Fig. 10

